Qosmio®

Model Name	Description	Part Number	UPC Code
Qosmio G15-AV501	**Intel ® Pentium® M processor 745, 512MB DDR SDRAM, 100GB HDD [60GB HDD (5400RPM) + 40GB HDD (5400RPM)], 17" WXGA+, DVD SuperMulti, 802.11b/g, 128MB NVIDIA ® DDR SDRAM VRAM, Bluetooth Version 1.2, Microsoft® Windows® XP Media Center Edition 2005, TOSHIBA QosmioPlayer**	PQG10U-00Y00L	**032017275256**

System Characteristics[1]

Operating System

- Microsoft® Windows® XP Media Center Edition 2005
- TOSHIBA® QosmioPlayer for quick access to CD, DVD and TV Playback

CPU[2]

Intel® Centrino™ Mobile Technology featuring

- Intel Pentium® M processor 745 [1.80GHz, 2MB L2 cache, 400MHz FSB]
- Intel 855PM system chipset
- Intel PRO/Wireless 2200BG (802.11b/g)[3]

Memory

- 512MB PC2700 DDR SDRAM, expandable to 2048MB (both memory slots may be occupied at the time of purchase)
- 2 memory slots (both memory slots may be occupied at the time of purchase); 2 user upgradeable SODIMM slots.

Mass Storage

- 100GB using two Hard Disk Drives[4]
  - Primary+Secondary - 60GB HDD (5400RPM) + 40GB HDD (5400RPM)
- HDD Interface – Enhanced IDE (ATA-6)
- Optical Disk Drive(s)
  - Fixed DVD SuperMulti drive
    - Maximum Speed
      - CD-ROM(24x:read), CD-R(24x:write), CD-RW(10x:write), DVD-ROM(8x:read), DVD-R(8x:write), DVD-RW(4x:write), DVD+R(8x:write), DVD+RW(4x:write), DVD-RAM(3x:write)
    - Compatibility
      - CD-ROM(read), CD-R(read/write), CD-RW(read/write), DVD-ROM(read), DVD-R(read/write), DVD-RW(read/write), DVD+R(read/write), DVD+RW(read/write), DVD-RAM(read/write)
  - ODD Interface – Enhanced IDA

TV Tuner

- TOSHIBA TV Tuner
  - Region/Standard – US/NTSC
  - Video-in – RF, AV-IN (Composite/S-Video/Line-IN)
  - Parental Control and Closed Caption – Yes

Display[5]

- TOSHIBA TruBrite™ 17.0" diagonal WXGA+ TFT display
  - Resolution – 1440 x 900 internal LCD
  - Brightness Level[6] – (Cd/m^2)
    - When Plugged into AC – Up to 335 Cd/m^2
    - When in Battery mode – Up to 208 Cd/m^2
  - Contrast – 500:1
  - Viewing angle
    - Horizontal – 130 degrees
    - Vertical – 110 degrees
- Brightness Control – FN+F6/ F7, AV Button, TOSHIBA Power Saver

QosmioEngine

- Digital Sharpness, Black / White Extension, LCD Over Drive, De-Interlacing, Color Adjustment, Edge Enhancement, Digital Noise Reduction, De-ringing, De-blocking, Dynamic contrast adjustment
- Picture Enhancement Utility

Graphics

- 128MB DDR SDRAM NVIDIA® GeForce™ FX GO 5700 VRAM
- Internal LCD Support Resolution - 1440 x 900 WXGA+

Input Devices

- Keyboard
  - 85 key US keyboard, 2.7mm key stroke, 6mm keyboard height, 19.05mm key pitch
  - Hot Key Functions (FN); please see electronic User's Guide for more information
  - Windows Key Function
  - Application Key Function
- Mouse:
  - TouchPad™ pointing device
  - TouchPad Enable/Disable (FN+F9 or by help of software)
- Others:
  - AV Button, TV Button
  - CD Buttons
    - Skip to Previous Track, Play, Stop, Skip to Next Track
  - Presentation Button
- Remote Control(s)
  - Microsoft® Windows® Media Center Edition 2005 remote control – external USB RC-6 IR Blaster receiver
    - Power On/Shut Down, CD/DVD/Digital Audio play control, Volume control, Maximize Window, TV button

Expandability

- 2 available expansion memory slots
- 1 PCMCIA PC Card slot – supports 1 Type II PC Card slot
- Bridge Media Adapter (Secure Digital®, Memory Stick™, Memory Stick PRO™, Multi Media Card, xD Picture Card [shared slots])

Communications

- TOSHIBA Software Modem[7] AMR - V.90/V.92 Data + Fax (56K data, 14.4K fax) support
- Intel® PRO/100 VE Network Connection - 10/100 Base-TX Ethernet
- Intel® Pro/Wireless LAN 2200 BG Mini PCI Adapter
- Bluetooth® version 1.2 with TOSHIBA Bluetooth Stack software

Ports and Slots

- RGB (monitor out port)
- 4 USB ports
- TV-Out (2 ports): S-Video out and Component out via D port connector
- RJ11/ RJ45
- i.LINK™ 1394
- S/P DIF (shared with headphone jack)
- AV-IN (2 ports): Composite/Monitor/Line-IN and S-Video IN

Physical Description

- Dimensions (WxDxH[front/back]): 15.98"x11.22"x1.48"/1.71" without feet
- Weight[8]: starting at 9.70 lbs. (without AC Adapter)
- Switch: Power, Wireless Communication
- LED Indicators: Power (common with Power/System Sleep Status), DC-IN, Primary HDD access, Secondary HDD access, Power Save mode (with ACPI-OS, common to Power), Caps Lock, Arrow mode, Numeric mode, Main Battery Charging Status, System Sleep/Suspend Status (common with Power/System Sleep Status), Wireless Communication (for Wireless LAN/BlueTooth), SD/xD (dedicated, Same SD/MS/xD indicator), Power Button Illumination (dedicated, in Power Button, 3 colors LED)

Sound

- Type of Sound Chip – Software Sound
  - Connected BUS - AC'97
- Type of Codec Chip – AnalogDevices, Inc. AD1981B
- Compatibility – AC'97 Rev2.2

© Copyright 2004 Toshiba America Information Systems Inc. ("TAIS"). All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

- Support Audio Format – 16bit stereo
- MaxSampling Rate – 48kHz
- Full Duplex Support – Yes
- # of Voices – 32
- MIDI (play back) Support – Yes
- DirectSound – Yes(Supported by driver)
- Direct3DSound – Yes(Supported by driver)
- DirectMusic – Yes(Supported by driver)
- Ports
    - External Microphone (monoaural), Headphone (stereo), Line-in (shared with Monitor-IN), Dolby™ AC3 Digital out (S/P DIF), Sound Volume (by dial), Built-in microphone (monoaural)
- Built-in harman/kardon® stereo speakers
- SRS® TruSurround XT® Technology with Virtual Surround with Dialog Clarity (SRS® TruSurround XT® Technology features: TruSurround, SRS Dialog Clarity FOCUS, & TruBass)

Power Supply

- 120W (15V x 8A) Auto sensing external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input.
- Dimensions (WxDxH): 2.17" x 1.73" x 5.71"
- Weight[9]: starting at 1.43 lbs

Battery[10]

- Lithium Ion 6-Cell (4400mAh)
- Weight[11]: starting at 0.71 lbs
- Dimensions (WxDxH): 5.07" x 2.83" x 0.80"
- Recharge Time
    - Main Batter Off/On – approximately 3.0 hours hrs/approximately 3.0 hours to 4.0 hours
- Up to 1 hour, 40 minutes (when using in Windows® mode) (measured by Mobilemark™ 2002)[12]

Security

- Slot for cable lock, Memory (by one screw), Main Battery Pack (sliding lock), Main HDD (by one screw)
- Passwords: User Power on Password, Supervisor Password
- Hotkey locks: Keyboard, Screen Blank
- Software: Screen Saver

BIOS

- TSETUP, ACPI (Version 1.0b), VESA, DPMS, DDC, SM BIOS (Version 2.3), PCI BIOS (Version 2.1), Boot Device (USB Floppy [optional]), Primary HDD, ODD devices, Network (LAN)

Software

TOSHIBA Software and Utilities

- TOSHIBA QosmioPlayer
- TOSHIBA Bluetooth Stack for Microsoft® Windows®
- TOSHIBA ConfigFree™
- TOSHIBA Custom Utilities
- TOSHIBA Common Modules
- TOSHIBA Hotkey Utility for Display Devices
- TOSHIBA Zooming Utility
- TOSHIBA Power Saver
- TOSHIBA Utilities
- TOSHIBA Console
- TOSHIBA Controls
- TOSHIBA Wireless Hotkey
- TOSHIBA Touch Pad On/Off Utility
- TOSHIBA Touch and Launch
- TOSHIBA Display Device Change Utility
- TOSHIBA Picture Enhancement Utility
- TOSHIBA Speech System
- TOSHIBA PC Diagnostic Tool
- TOSHIBA CD/DVD Drive Acoustic Silencer
- Qosmio G15 Electronic User's Guide
- TOSHIBA MyConnect™ - 45 day free trial offer
    - MYCONNECT OFFER DETAILS: 1 Valid in the US only! You must cancel your Access Plan before the end of the trial period to avoid being charged the $39.95 monthly Access Service fee for the six month plan commitment period. Monthly automatic renewal feature after end of commitment period. Available to new members in the U.S., age 18 or older, and a major credit card for billing is required. Offer is for unlimited dial-up, wired broadband, or Wi-Fi remote access connection time in the 50 United States and the District of Columbia within the MyConnect service area for 30 day continuous service periods. Use of optional 800 telephone number dial-up usage will incur additional fees even during the trial period. Other terms and conditions apply. Offer expires December 31, 2004. Information, prices, and availability subject to change without notice.

Third-party Software[13]

- Microsoft® Bluetooth® Stack for Windows®
- Microsoft® Office® OneNote™ 2003
- Microsoft® Works™ Version 8.0 with Office® 2003 Trial - Student/Teacher Edition
- Sun® Java™ 2 Runtime Environment
- Adobe® Acrobat® Reader version 5.0
- Software Decoder: InterVideo® (WinDVD™ 5)
- InterVideo® WinDVD™ Creator 2 Platinum
- Sonic™ Solutions RecordNow!™ Basic for TOSHIBA
- Sonic™ Solutions Drive Letter Access (DLA)
- Microsoft® Windows® Media Player version 10
- Napster® Digital Music Service – 30 days trial
- Easy FireWall – 30 days trial
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® version 9.0 – 3-Month offer
    - AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.
- AT&T® Worldnet® Service – 1 Month offer
- Intuit® Quicken® New User Edition 2004
- QuickTime™ Player
- RealOne™ Player 8 Basic

Environmental Specifications

	Operating	Non-Operating
Temperature	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 90%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	7G, 1.5G when CD/DVD-ROM installed	60G
Vibration	0.2G, 0.25G when CD/DVD-ROM installed	1G

Limited Warranty

- 1-year parts and labor, 1-year battery, 1-year At-Home Repair Service

Extended Warranty

Extend your standard limited warranty up to three (3) additional years, including At-Home Repair*. With At-Home Repair, a technician arrives with parts at your home, typically by the second business day, to perform the necessary hardware repairs.

- - 2nd Year Warranty Extension SWC-QEQH2V
- - 2nd/3rd Year Warranty Extension SWP-QEQH3V
- - 2nd/3rd/4th Year Warranty Extension SWC-QEQHDV

SystemGuard(R) provides coverage of accidental damage and breakage caused by drops and spills.*

- - 1 Year SystemGuard SWC-QSGH1V
- - 2 Year SystemGuard + Warranty Extension SWC-QEGH2V
- - 3 Year SystemGuard + Warranty Extension SWP-QEGH3V
- - 4 Year SystemGuard + Warranty Extension SWC-QEGHDV

*See Toshiba Service Plan Agreement for program terms and conditions. Toshiba Service Plan Agreement www.pcsupport.toshiba.com.

Accessories

Category	Part Number	Description
Memory Upgrade	KTT3311/512	Kingston PC2100/PC2700, 512MB DDR
Memory Upgrade	KTT3311/1G	Kingston PC2100/PC2700, 1GB DDR
SD Memory	SD-M2564B3	Toshiba 256MB SD (Secure Digital) Card

© Copyright 2004 Toshiba America Information Systems Inc. ("TAIS"). All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

SD Memory	SD-M5124B3	Toshiba 512MB SD (Secure Digital) Card
AC Adapter	PA3237U-2ACA	Toshiba Global 120W AC Adapter
Primary Battery	PA3285U-2BRS	Toshiba Primary 6-Cell Li-Ion Battery Pack
Charger	PA3091U-1CHG	Toshiba Battery Charger w/integrated AC adapter
FDD	PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit
Cases	PA1364U-1NCS	Toshiba 17" Nylon Case
Cases	PA1323U-1NCS	Toshiba 17" BackPack/Roller Case
Cases	PA1366U-1NCS	Toshiba 17" BackPack
Input	PA1336U-1NKB	Toshiba USB Keyboard
Input	PA1337U-1NMS	Toshiba USB Optical Scroller Mouse
Input	PA1367U-1NMS	Toshiba USB Ultra-Mini Retractable Scroller Mouse

Bluetooth	PA1381U-1ETC	Toshiba Bluetooth Headphones
Bluetooth	PA1380U-1ETC	Toshiba Bluetooth Travel Mouse
Expansion	PA1368U-1NHB	Toshiba USB 2.0 Mini 4-Port Hub (w/AC Adapter)
MISC	PA1370U-1ETC	Toshiba Keyboard Protector (Tecra/Satellite/Qosmio)
Security	NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock
Storage & Back-up	HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up sftwr
Storage & Back-up	UABS2-60.0	CMS ABSplus 60GB USB 2.0 Auto Backup Syst
Storage & Back-up	UABS2-80.0	CMS ABSplus 80GB USB 2.0 Auto Backup Syst

Subject to Change
a. "While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com."
b. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

Return Policy
Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Toshiba America Information Systems, Inc. ("TAIS") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Toshiba America Information Systems, Incorporated
9740 Irvine Boulevard
Irvine CA 92618
ToshibaDirect website: http://www.toshibadirect.com
Toshiba website for resellers: http://sell.toshiba.com
Toshiba PC Support website: http://pcsupport.toshiba.com

Portégé, Satellite, Tecra, Qosmio Slim SelectBay and SystemGuard are registered trademarks and ConfigFree is a trademark of Toshiba America Information Systems, Inc. and/or Toshiba Corporation.
Intel, Celeron, Centrino, Intel Inside, Pentium, the Intel Centrino logo, and the Intel Inside logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.
Microsoft and Windows are registered trademarks and OneNote is a trademark of Microsoft Corporation in the United States and/or other countries.
Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries.
MobileMark™ is a trademark of the Business Applications Performance Corporation.

[1] Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features.
2 This computer is designed as a portable alternative to a traditional desktop computer and monitor. The CPU performance of this system is only optimized when operating in AC power mode. CPU performance will decrease considerably when operating in battery power mode. [THE SPECIFIC CPU DISCLAIMER SHALL BE FOLLOWED BY THE GENERAL CPU DISCLAIMER BELOW FOR SPECIFIED SYSTEMS]
CPU performance in your computer product may vary from specifications under the following conditions:

1. Use of certain external peripheral products
2. Use of battery power instead of AC power
3. Use of certain multimedia, computer generated graphics or video applications
4. Use of standard telephone lines or low speed network connections
5. Use of complex modeling software, such as high end computer aided design applications
6. Use of several applications or functionalities simultaneously
7. Use of computer in areas with low air pressure (high altitude greater than 1,000 meters or greater than 3,280 feet above sea level)
8. Use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details.)

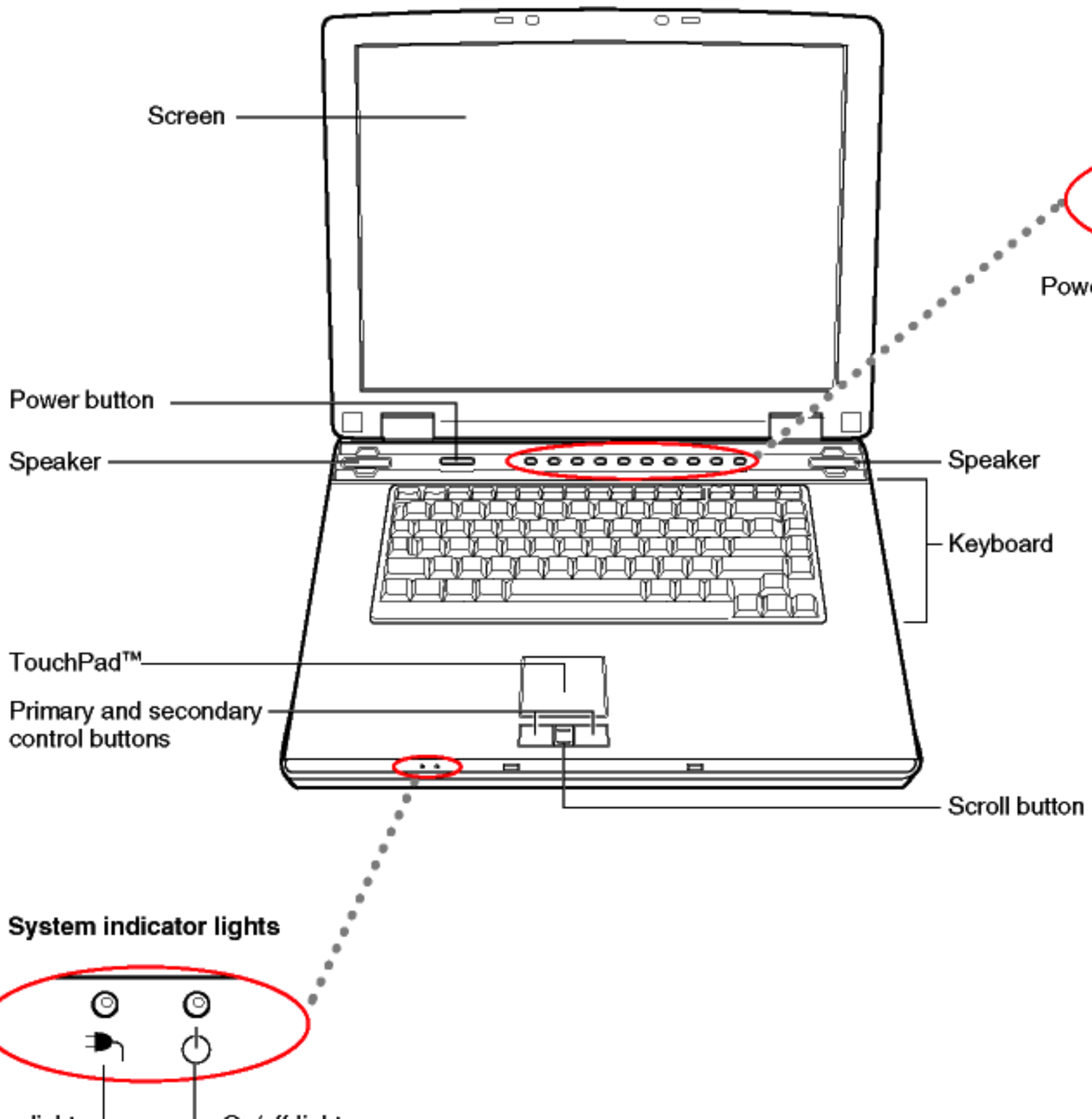
CPU performance may also vary from specifications due to design configuration.
Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information
3 The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.
4 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.
5 Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.
(a) Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology.

© Copyright 2004 Toshiba America Information Systems Inc. ("TAIS"). All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

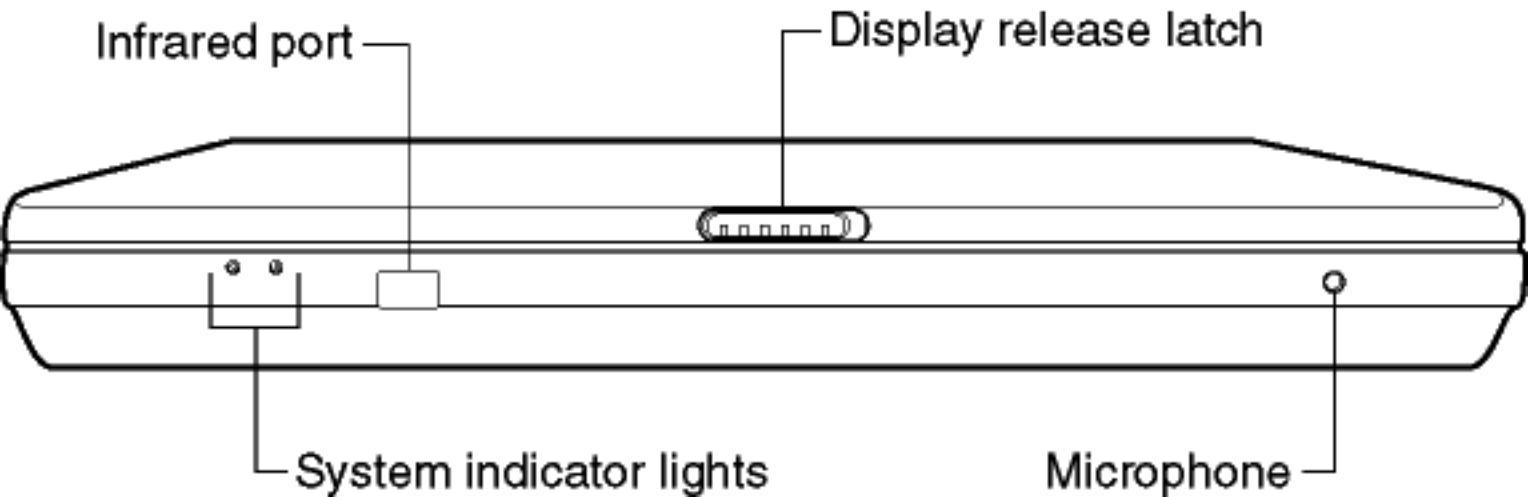
(b) Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.
6 (a) Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology.
(b) Screen will dim when the computer is operated on battery power and you may or may not be able to increase the brightness of the screen.
7 Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.
8 Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.
9 Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.
10 Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at www.accessories.toshiba.com.
11 Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.
[12] MobileMark is a trademark of the Business Applications Performance Corporation.
[13] Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

© Copyright 2004 Toshiba America Information Systems Inc. ("TAIS"). All Rights reserved.
TAIS shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

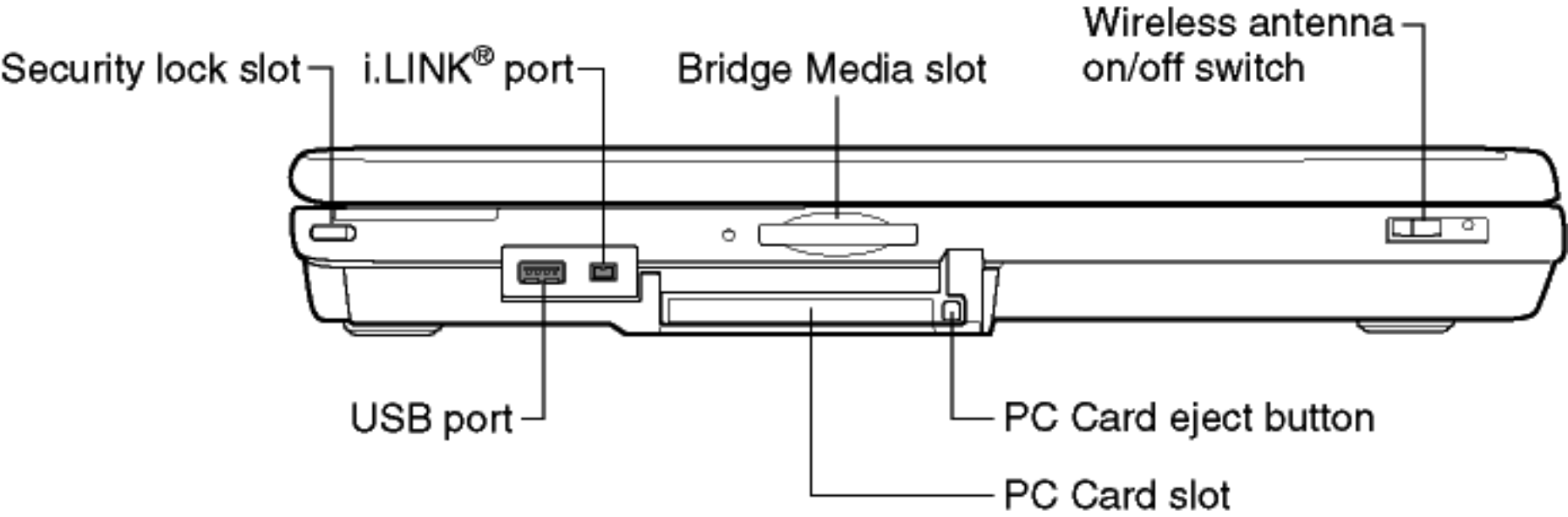
Front with display open



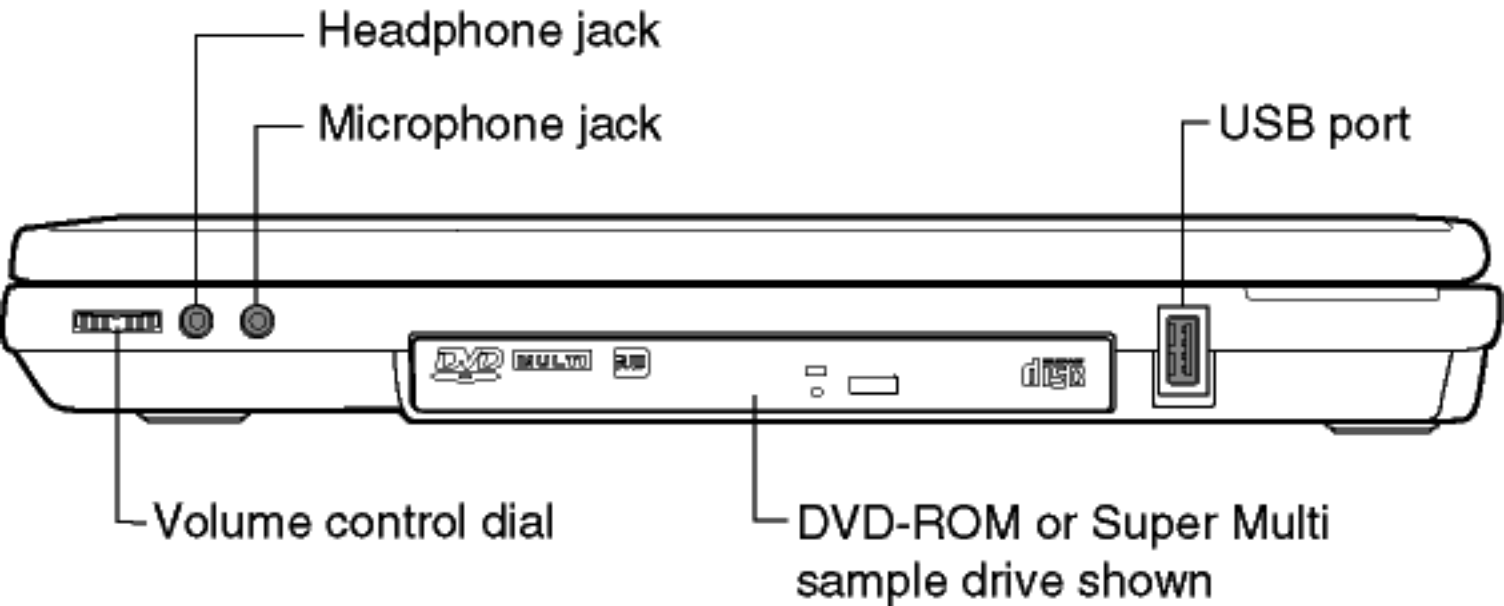
Front with display closed



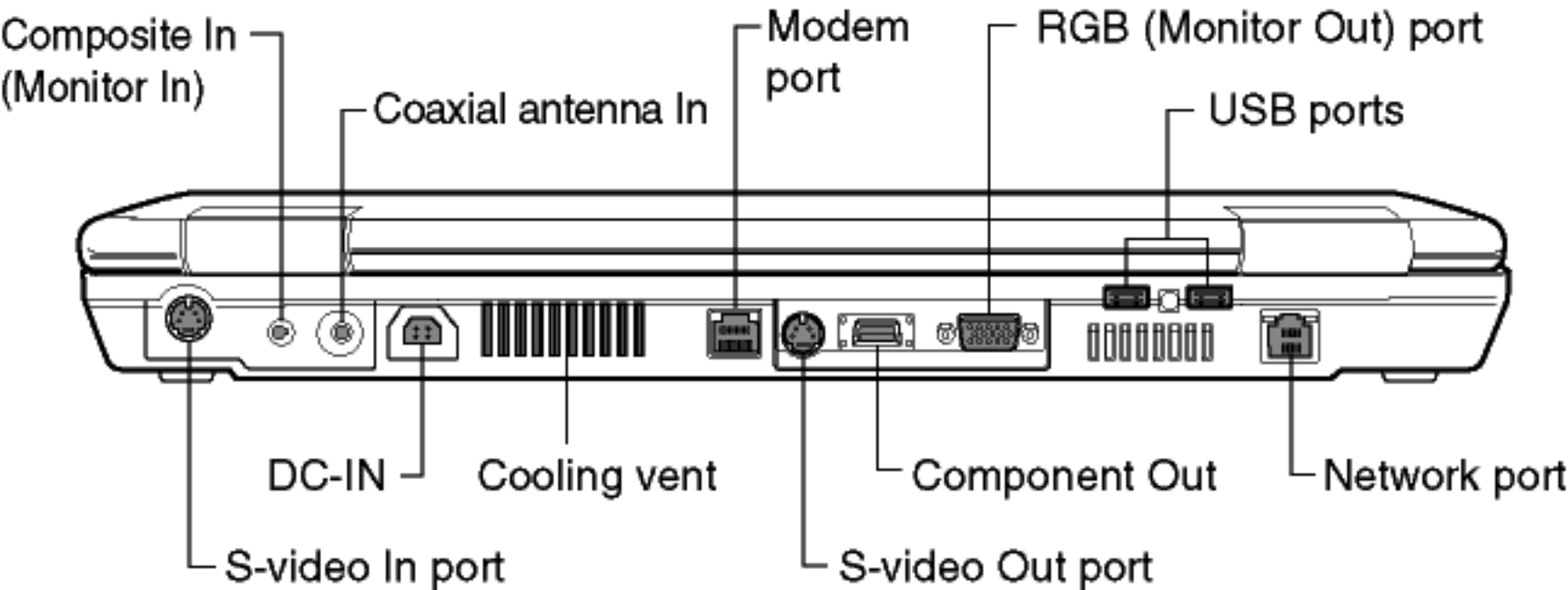
Left side


Security lock slot
i.LINK® port
Bridge Media slot
Wireless antenna on/off switch
USB port
PC Card eject button
PC Card slot

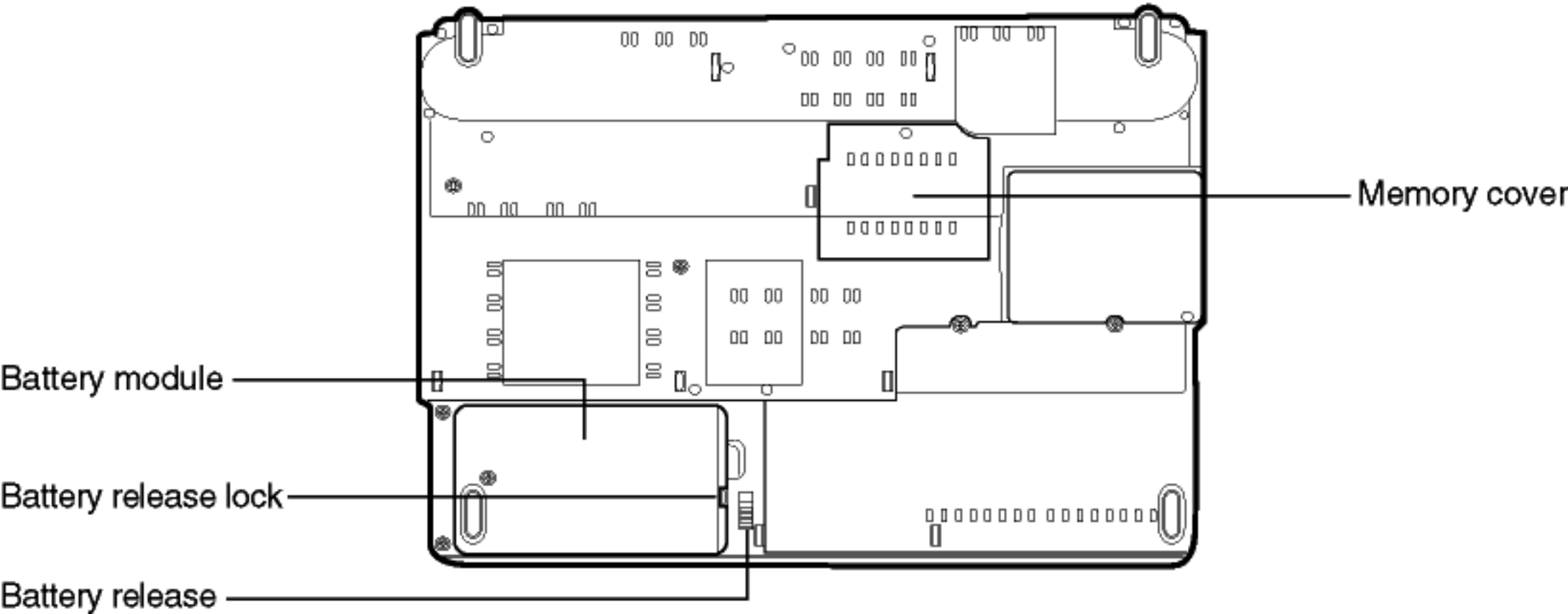
Right side


Headphone jack
Microphone jack
USB port
Volume control dial
DVD-ROM or Super Multi sample drive shown

Back


Composite In
(Monitor In)
Coaxial antenna In
Modem
port
RGB (Monitor Out) port
USB ports
DC-IN
Cooling vent
Component Out
Network port
S-video In port
S-video Out port

Underside


Memory cover
Battery module
Battery release lock
Battery release